Subject: FR Notice Comments - 77 FR 41406 - Data and Nominations on In Vitro Ocular Test Methods

Date: Tuesday, July 17, 2012 11:11:28 AM ET

To: [redacted]

Below is the result of your feedback form. It was submitted by
() on Tuesday, July 17, 2012 at 11:11:28

Comment_date: 17 July 2012

Prefix: Dr.

FirstName: Patrick

LastName: McNutt

Degree: Ph.D.

onBehalfOf: no

Title:

Department:

Company:

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Comments: To whom it may concern,

I would like to be considered for membership as a scientific expert on the NICEATM-ICCVAM panel. I am the PI of an effort to correlate the biochemistry, ultrastructure, histopathology and clinical progression of the acute and chronic injuries generated by corneal sulfur mustard exposure, with the objective of identifying mechanism(s) of the chronic injury and potential therapeutic approaches. Three papers have resulted from this work (below) with a fourth in preparation. As part of this work we have also evaluated several in vitro models, however due to the temporally distinct nature of the acute and chronic corneal injury decided none of these models were appropriate.

1. Milhorn D, Hamilton T, Nelson M, McNutt P (2010) Progression of ocular sulfur mustard injury: development

of a model system. Ann N Y Acad Sci 1194: 72-80.

2. McNutt P, Hamilton T, Nelson M, Adkins A, Swartz A, et al. (2012) Pathogenesis of acute and delayed corneal lesions after ocular exposure to sulfur mustard vapor. Cornea 31: 280-290.

3. McNutt P, Lyman M, Swartz A, Tuznik K, Kniffin D, Whitten K, Milhorn D and Hamilton T. Architectural and biochemical expressions of mustard gas keratopathy: preclinical indicators and pathogenic mechanisms. PLoS ONE (in press).
